

**Arrangement of a single-grip mixing valve battery being operated
by turning only**

Abstract

The invention relates to a arrangement for single-grip mixing faucets operated by turning only, comprising a fixed inlet disc (11) and a rotating regulation disc (16) arranged above each other forming thereby a plane seal, for regulating the amount and ratio of the cold and hot water flowing through the system. The cold water inlet channel (12) connected to the cold water network and the hot water inlet channel (13) are developed in the fixed inlet disc (11) whereas the cold water flow-through channels (17) and the hot water flow-through channels (18) are developed in the rotating regulation disc (16). The cold water flow-through channel (17) and the hot water flow-through channel (18) are connected to the mixing space (19), which is developed either in the regulation disc (16), or in a turning element (20) being in an operation connection with the regulation disc (16), at the side of the regulation disc (16) opposite to the inlet disc (11). The operating arm (28) is fixed to the turning element (20) at its end opposite to the regulation disc (16).

The essence of the arrangement lies in that in the turning element (20) an axial duct (27) is situated leading also through the operating arm (28), one end of which is connected to the mixing space (19), whereas its other end is connected to the duct (30) developed in the armature discharge (29) joined to the turning element (30) above the operating arm (28), which duct (30) is in connection with the discharge outlet (31).